

CLAIMS (UNAMENDED)

Although not currently amended, the pending claims are reproduced below for the Examiner's convenience.

1. (Previously Presented): A method for producing a catalyst comprising at least molybdenum, bismuth and iron for use in producing an unsaturated aldehyde and an unsaturated carboxylic acid through gas-phase catalytic oxidation of propylene, isobutylene, tertiary butyl alcohol or methyl tertiary butyl ether with molecular oxygen, comprising the steps of:

kneading particles comprising catalyst components, an organic binder and a liquid to form a kneaded mixture; and

extrusion molding the kneaded mixture,

wherein the organic binder comprises at least a high-viscosity organic binder having a viscosity of from 5,000 mPa·s to 25,000 mPa·s and a low-viscosity organic binder having a viscosity of from 10 mPa·s to less than 5,000 mPa·s, wherein viscosity is measured with a 1% by mass water solution or dispersion of the binder at 20°C.

2. (Previously Presented): The method for producing the catalyst according to claim 1, wherein the liquid is added at the time of kneading at a rate of 0.2 parts by mass / min per 1 part by mass of the particles or less comprising the catalyst components.

3. (Previously Presented): The method for producing the catalyst according to claim 1, wherein the temperature of the liquid is 20°C or less.

4. (Withdrawn): A catalyst for use in producing an unsaturated aldehyde and an unsaturated carboxylic acid produced by the method for producing the catalyst according to any one of claims 1 to 3.

5. (Withdrawn): A method for producing an unsaturated aldehyde and an unsaturated carboxylic acid by using the catalyst according to claim 4 through gas-phase catalytic oxidation of propylene, isobutylene, tertiary butyl alcohol or methyl tertiary butyl ether with molecular oxygen.